## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE |
|---------------------------|----------|--------|------|
|                           |          |        |      |
| FEE DETERMINATION         |          | i•     |      |
| O.I.P.E. CLASSIFIER       |          |        | 9    |
| FORMALITY REVIEW          |          |        | 9.8  |
| RESPONSE FORMALITY REVIEW |          |        |      |
|                           |          |        |      |

## **INDEX OF CLAIMS**

| Rejected                     | N Non-elected  |
|------------------------------|----------------|
| Rejected Allowed             | I Interference |
| — (Through numeral) Canceled | A Appeal       |
| Restricted                   | O Objected     |

|           |          |    | × |              | ٠, ٠            | 4              | ÷              |            | ••••     |  | •••••    |                       |      | 1        | Rest     | rici     | ted      |          |                |          | 0        | ••••           | •••••    |           |          |
|-----------|----------|----|---|--------------|-----------------|----------------|----------------|------------|----------|--|----------|-----------------------|------|----------|----------|----------|----------|----------|----------------|----------|----------|----------------|----------|-----------|----------|
| Cla       | im       | Ė  | _ | ÷            | -               |                | Dat            | 0          |          | -  |          |                       |      | Cla      | aim      |          |          |          |                | Da       | le       | _              |          |           |          |
| ~         | =        | 10 | 7 | 3            | <u>ما</u><br>کر | -              |                | ٠,         |          |  | 7        |                       |      |          | æ        |          |          |          |                |          |          |                |          | -         |          |
| Final (1) | Oniginal |    | 1 |              | 03              |                |                |            |          |  |          |                       |      | Final    | Original |          |          |          |                |          |          |                |          |           |          |
| T         | Š        | ď  | 7 | כס           | V               | _              | _              |            | H        |  | -        | -                     |      | <u>u</u> | 51       |          |          | -        | -              | _        | -        | -              | _        |           |          |
| -         | 2        | 1  | 4 | _            | 1               | r              | -              |            |          |  | -        | H                     |      |          | 52       | _        |          |          | -              |          |          | -              | -        |           |          |
| ابن       | 3        | Н  | + |              | V               | -              |                |            |          | -  | -        |                       |      |          | 53       | _        | -        |          |                |          |          |                |          | -         |          |
| -         | •4       | Н  | + | H            | 1               | <u> </u>       | <del>-</del> - | -          |          |  |          |                       | ,    |          | 54       | -        | -        |          | -              |          | $\vdash$ | H              |          | -         | 1        |
| •         | 5.       | H  | 1 | ٢            | 1               |                |                | -          |          |  |          |                       |      |          | 55       |          |          |          |                | _        |          |                |          |           |          |
|           | 6        | M  | 1 | ٢            | V               |                |                | _          |          |  |          |                       |      |          | 56       |          |          |          |                |          |          |                |          |           |          |
| .,        | 7        | 1  | 1 | T            | V               |                |                |            |          |  |          |                       |      |          | 57       |          | `        |          |                |          |          |                |          |           | [        |
|           | 0        |    | • | L            |                 |                |                |            |          |  | -        |                       |      |          | 58       |          | L.,      | _        | Ш              |          | <u>L</u> |                |          |           | _        |
| 11        | Þ        | Ц  | 1 | L            | <u> </u>        |                |                |            |          | Ĺ  | _        |                       |      |          | 59       |          |          | _        |                |          |          | _              |          |           |          |
|           | Ψ        | Ц  | 4 | L            |                 | Ĺ              | 1              | _          | , 1      |  |          |                       |      |          | 60       |          |          |          |                | _        |          | _              |          | _         |          |
| - 75      | F        | Ц  | 4 | 1            |                 |                |                |            |          |  |          |                       |      |          | 61<br>62 |          |          |          |                |          | -        |                | -        | $\exists$ | _        |
| , w/-     | #        | J  | 4 | 1            | i               | 7              | 7              |            |          | 1.5  |          | 7                     |      |          | 63       |          | ·        |          | Н              | -        |          |                |          | -         | -        |
| 1         |          | ١  | 4 | 1            | نايخ            | 7.             | 2              | 4          | , -      | ;;   | 1        |                       |      |          | 64       |          | _        |          |                |          | $\vdash$ | ,A.            | -        | 7         | $\dashv$ |
| 9 9<br>9  | #        | H  | 2 | +            | 34 t            | 1              | ÷.,            | ,          |          |  | 3        | .# .<br>- ·           |      | •        | 65       | _        |          | ,        | -              |          |          | 0              |          |           |          |
| L-7       | #        | H  |   | ě            | 2.4             | 4              | Ą.             | , ,        | 31       | 27   | ty's     | ٠,٠                   | 1.7. | ř        | 66       | 7        | 4 1      | 1        | <br>           |          | 120      | 10             | , i      |           | - :      |
| ŧ.        | 7        | H  | 1 | 1            |                 |                | 7              | *          |          | 1.5  | 57       | e <sup>2</sup><br>Ata | (3)  | Anto     | 67       |          | 0        | 1        | . `            | - 1      | 740      | . N.           | 39       | 7.        |          |
| *         | 18       | 1  |   |              | V               | ***            | Ţ              | 2          |          |  | 4.       | 10                    | 1 21 | ž.       | 68       | ,        |          |          | ****           | :        | 21.      | 10             |          |           | ا<br>دور |
| 11.5      | 19       | 1  | 1 | 4            | 1               | 7              | Op.            |            | 129      | 44   | 7,1      |                       | 7.   |          | 69       | ,        | - 1      | 3.6      |                | -4       | 17.      | 7.5            | * 1      | 1         | ,: :     |
| Ü         | 20       | 1  | 7 | T            | V               | 3              |                | ٠,١        |          |  |          |                       | •    | -        | 70       |          |          |          |                |          | 1.1      |                |          | ٠,        |          |
| 4         | 3        | 1  | 1 |              |                 | 2              |                |            |          |  |          |                       |      |          | 71       |          |          |          |                |          |          |                |          |           |          |
| 1         |          | I  | 1 |              | - 41            |                |                | ÷          |          |  |          | •                     |      |          | 72       | 111      | +,       | <u>.</u> | -              |          | ٠,٠      |                |          |           | - 1      |
|           | 28       | 1  | 1 |              | `               |                |                | ٠.         |          |  | L        |                       |      |          | 73       |          |          |          | Ш              |          |          |                | -        | _         | _        |
|           | Ø        | 4  | 4 | 1            | V               | _              |                | _          |          |  | _        | _                     |      |          | 74       |          |          |          |                |          |          |                |          | -         |          |
|           | 8        | 4  | 4 | 4            | Y               | Ŀ              | _              |            |          | Ш  | -        | <u> </u>              |      |          | 75<br>76 |          | ·        |          |                |          | -        |                |          |           |          |
| -         |          | Ų  | X | J            | <u> </u>        | -              | -              | ├          | $\vdash$ |  | H        | -                     |      | _        | 77       |          | H        | -        |                |          |          |                |          | Н         |          |
| . 2       | 28       | Ť  | + | _            | -               | ·              |                | -          |          | ⊢  |          |                       |      |          | 78       |          |          | •        |                | _        |          |                |          |           | _        |
| - 2       | 29       | H  | 7 |              |                 |                | -              | ┢          |          | -  | H        | -                     |      |          | 79       | _        | 7        |          |                |          | -        |                |          | _         | -        |
| •         | 30       | -  | 1 |              | -               | $\vdash$       | H              | H          |          |  | $\vdash$ | $\vdash$              |      |          | 80       |          |          |          |                | _        |          |                |          |           |          |
|           | 31       | Г  | 1 |              |                 | Ι.             |                |            |          | _  | Ι-       |                       |      |          | 81       |          |          |          |                |          |          |                |          |           |          |
|           | 32       | _  |   | _            |                 |                |                |            |          |  |          |                       |      |          | 82       |          | -        |          |                |          |          |                |          |           |          |
|           | С3       |    | I | _            |                 |                |                |            |          |  |          |                       |      |          | 83       |          |          |          |                |          |          | L              |          |           |          |
|           | 34       | L  | 1 |              | _               | _              | _              | lacksquare |          | ļ  | _        | _                     |      | <u> </u> | 84       |          |          |          | <u> </u>       |          |          | <u> </u>       | <u> </u> | H         | _        |
|           | 35       | L  | 4 |              | L               |                | _              | L          | ļ.       | _  | ļ        | _                     |      | <u> </u> | 85<br>86 | <u> </u> | -        | _        | $\vdash$       |          |          | _              | H        |           |          |
|           | 36<br>37 | ļ  | - |              |                 | _              |                | _          | ــــ     | -  | <u>_</u> |                       |      |          | 87       |          | <u> </u> |          |                |          |          |                |          |           | _        |
|           | 38       | ┞  | 4 |              |                 | ⊢              |                | $\vdash$   | ┝        | -  | _        | -                     |      | <u></u>  | 88       | -        | ⊢        | -        |                |          |          |                | -        |           |          |
| 1         | 39       | ┝  | + | Ŧ            | ┼               | <del>  -</del> | -              | ├          | ╁        | -  | -        | H                     | 1    | -        | 89       | $\vdash$ | -        | -        |                | $\vdash$ |          | <del> </del> – | Н        |           | _        |
|           | 40       | H  | 1 |              | -               | -              | ┢┈             |            | H        | -  | ┢        | Н                     |      | H        | 90       |          | -        |          | -              | _        |          |                |          |           |          |
|           | 41       | -  | 1 | _            |                 | ⊢              | -              | H          | H        | ┝  | -        | 1                     |      | $\vdash$ | 91       |          | -        | $\vdash$ | <del>  -</del> | -        |          |                |          |           |          |
|           | 42       | ١. | 1 | ٠,           | -               | -              |                | -          | ┢╌       | -  | -        | -                     |      | _        | 92       | H        | -        |          |                |          | -        |                |          |           |          |
|           | 43       | 1  | 1 |              | +               | -              | T              |            | -        | -  |          | H                     | 1    | Г        | 93       | _        | _        | Г        |                |          |          |                |          |           |          |
|           | 44       | t  | 1 | -            | 1               | -              | 1              | t          | $\vdash$ | <del>                                     </del> | T        |                       | 1    |          | 94       | Г        |          | Г        | _              | Ī        |          |                |          |           |          |
| 1.        | 45       | T  | - | <del>-</del> |                 |                | $\vdash$       |            |          |  |          |                       | ]    |          | 95       |          |          |          |                |          |          |                |          |           |          |
| 10.5      | 46       | I  | · | _ :          | - 6             |                |                | L          |          |  |          |                       | ]    |          | 96       |          |          | L        |                | Ľ        | _        | 1_             |          | -         | <u> </u> |
|           | 47       |    | · |              |                 |                |                |            |          | Ŀ  | Ĺ        | L                     | 1    | L        | 97       | _        | L        | _        | ļ.,            | <u> </u> | <u> </u> | _              | _        | _         | Ľ.       |
|           | 48       | Ĺ  |   |              | <u> </u>        |                |                | L          | 1        | L  | L        | _                     | -    | L        | 98       | _        | -        | -        |                | _        |          | -              | _        | -         | ļ        |
|           | 49       | L  | _ |              | 1_              | 1              | _              | 1          | <u> </u> |  | <u> </u> |                       | 1    | $\vdash$ | 99       | -        | $\vdash$ |          | -              |          | -        | <del> </del> — | $\vdash$ | <u> </u>  | -        |

|     | Cla           | im       |          |              |          |               | Dat              | A  | ۳.,         |         |            |               |
|-----|---------------|----------|----------|--------------|----------|---------------|------------------|--|-------------|---------|------------|---------------|
| •   | -             |          | -        |              |          |               |                  |  |             |         |            |               |
|     |               | 70       | 1        |              |          | -             | 4                | 1  | 7.          |         | - 4        |               |
| -   | =             | Original |          |              |          |               |                  |  |             | ı       | - 1        |               |
|     | Final         | €′       |          |              |          |               |                  |  |             | - I     | . 1        |               |
|     | H             | 0        |          |              |          |               |                  |  |             |         |            |               |
|     |               | 101      |          |              |          |               |                  |  |             |         | . [        |               |
|     | _             |          | -        | -            | ١,       |               |                  |  |             |         |            |               |
|     |               | 102      |          | L_           | <u> </u> |               |                  |  | - 1         |         |            | -;            |
|     |               | 103      |          |              |          |               |                  |  |             |         |            |               |
|     |               | 100      |          |              | -        | -             |                  | -  |             |         |            |               |
|     | _             | 104      |          | L.,          | <u> </u> |               |                  |  |             | _       | 1          |               |
|     |               | 105      |          |              |          |               |                  |  | 4.          | ۱ ۱     | - 1        |               |
|     |               | 106      |          | _            | -        | $\vdash$      | _                | -  | _           |         |            |               |
|     | _             |          | <u> </u> | _            | _        | -             | -                | _  |             | -       |            |               |
|     |               | 107      | . !      |              |          |               |                  |  |             |         | - 1        |               |
|     |               | 108      |          |              |          |               |                  |  |             |         | $\neg$     |               |
|     | -             |          |          | -            | -        | -             | Η.               |  |             |         |            |               |
|     |               | 109      |          |              | L-       |               | ·                |  |             |         |            |               |
| į   |               | 110      |          |              |          | _             |                  |  |             |         |            | Ť.            |
| . 1 | -             | 111      | 141      |              | 1        | -             |                  |  | -           |         |            |               |
|     |               |          |          |              |          |               |                  |  |             |         | _          |               |
| . İ |               | 112      |          |              |          | ١.            |                  | .  | ٠,          | ļ [     | . 1        |               |
| .   | -             | 113      |          |              | -        | _             | _                | П  | 3.0         |         | ╗          | -             |
|     | 0             | _        | _        | 2.1          |          | -             |                  | 27   |             |         | -1         |               |
|     | _             | 114      |          |              | ì        |               | 7                | ď,   |             | 3       | <u>. i</u> | : "           |
|     |               | 115      |          |              | 1        | 4.4           | - 1              | 77   | 4.01        | ٠,٠     | 3          | - 1           |
|     | ٠,.           | 116      |          |              | 2        | 96 <b>8</b> 0 |                  | 6.   | į,          | 75      | 51         |               |
|     |               |          | _        |              | -        | 4.4           |                  | 1 14   | 1,1         |         | 끡          | 34.           |
| ٠,  |               | 117      | 9. ·     |              | . 6.     | 4.14          | 100              | .3.  | j<br>25.5 % | 2       | ď.         | 3 :           |
| 100 |               | 118      | 7.       | 4            | - 1      | 1,71          |                  | 133  | 1.0         | 1       | 1.0        | . ; )         |
| 1   |               |          |          |              | ∺        | -             | 1                | · .  | 1:1         | ı.y     | 4,         |               |
| ٠,٠ |               | 119      |          |              |          | -             | ,                |  | 200         |         |            |               |
|     |               | 120      | ÷        | 30           |          |               | 7                | 2.   | 74,6        | 7       |            | 1             |
|     | *             | 121      |          |              |          |               |                  |  | .,,         | •       |            | 7.            |
|     |               |          | -        |              | -        |               | - 3              |  |             |         |            | $\overline{}$ |
| :   |               | 122      |          |              | ٠        |               |                  |  |             | 10      | 10         | ٠             |
| •   |               | 123      |          |              |          | L             | Ľ                | Ť  | 1           | ٠,      |            |               |
| -   |               | 124      |          |              |          |               |                  |  | ,           | -+,     |            |               |
|     |               | 125      |          |              | Γ-       |               |                  |  |             | 10      | J.         |               |
|     | т             | 126      | -        | -            |          | _             |                  |  |             |         |            |               |
|     | <u> </u>      |          | -        | $\vdash$     | -        |               | H                | -  | -           | Н       |            |               |
|     |               | 127      | -        | _            | -        | _             | -                | <u> </u>   |             |         | -,-        | ٠,            |
|     |               | 128      | _        |              | _=       | <u> </u>      | - 1              |  | - '         |         | _          |               |
|     |               | 129      | 1        |              |          | 1             | `                | [ ]  |             | ٠.      |            | •             |
|     | $\vdash$      | 130      | -        |              | Г        |               | 1.               | ٠.   |             |         |            |               |
|     | ⊢             | -        |          | <del> </del> | ┝        |               | -                | <del></del>                                      |             | 3 -     | H          | $\neg$        |
|     | <u> </u>      | 131      |          | _            | ⊢-       |               | -                | _  | -           | ш       | H          | $\vdash$      |
|     | L             | 132      |          |              | <u></u>  | L_            | $oxed{oxed}$     | <u> </u>   | Ŀ           | Щ       |            |               |
|     |               | 133      |          |              | Ī        |               | 1                |  |             |         |            |               |
|     | $\vdash$      | 134      |          | $\vdash$     | $\vdash$ | 1             |                  | _  |             |         |            |               |
|     | $\vdash$      | _        |          | <del> </del> | ├        | ├             | -                |  | -           | -       | $\vdash$   |               |
|     | $oxed{oxed}$  | 135      |          |              | L        | <u> </u>      |                  | <u></u>  | Ľ.          | $\perp$ | Щ          | <u>ب</u>      |
|     |               | 136      | 1        | }            | 1        | 1             | 1                |  |             | L       |            | L             |
|     | Г             | 137      |          |              | Ī        | Г             | Г                |  |             |         |            |               |
|     | <b> </b> -    | 138      | _        | -            | -        | t.            | -                | <del>                                     </del> | -           |         | П          | _             |
|     |               | _        | _        | ├-           |          | Ľ             | <del>  -</del> - | ١.   | <u> </u>    |         | <u> </u>   | ⊢             |
|     | _             | 139      |          | _            | L        | -             | <del> </del>     | <u> </u>   | <u> </u>    |         |            | <b></b> -     |
|     | L             | 140      | L        | L            | L        | L             | L                |  | Ŀ           |         | Ċ,         |               |
|     |               | 141      |          |              | Г        |               | Γ.               | 47   |             | 1       |            |               |
|     | -             | 142      | -        |              | -        | 1             |                  | 15   | 0.00        | 1,      |            | _             |
|     | -             |          |          | ⊢            | ┢        | -             | ├                | $\vdash$   | -           | H       |            | -             |
|     | ١             | 143      | -        |              | <b>├</b> | -             | -                | -  | 1           | -       | <b> </b>   |               |
|     |               | 144      | ٠        | L_           | <u> </u> | <u> </u>      | _                | 1_   | <u> </u>    | 1       |            | Ĺ             |
|     |               | 145      | _        | L            | L        |               | L                | <u>L.</u>  | Ŀ           | Ŀ       |            | -             |
|     | Г             | 146      |          | Γ_           | 1 .      |               | -                | .7.  | ٠,          | 15      | 3,         | T)            |
|     |               | 147      |          | _            | 1        | 1             |                  | 77   | £.          |         |            | Ķ.,           |
|     | <u> —</u>     |          | -        | ⊬-           | -        | 1             |                  | 7  | **          | 1       |            | t             |
|     | $\vdash$      | 148      |          | -            | -        | ⊢             |                  | 1  | Η-          | -       | -          | 1.57          |
|     | L             | 149      |          | L            | _        | 1             | Ι.               |  | 1.5         | Ŀ       | _          | 1             |
|     | 1             | 150      | į        | Ŀ            | 1        | L             | L                | ١.   | L           | L       | L          |               |
|     | $\overline{}$ |          |          |              |          |               |                  | _  | -           |         |            | . —           |

If more than 150 claims or 10 actions staple additional sheet here